

2. Product Specification

2-1 Product Feature

■ Features

Block	Specification		Major IC
RF	Digital/Analog (DTV Built In)		PAL-SEMCO TUNER TRIDENT_SA1
PDP Module	Samsung SDI 42" HD U2P	Samsung SDI 50" HD U2P	42" HD / 50" HD
Power	Dongyang ENP SMPS 220V		
Video	PAL, DVB HDMI COMPONENT, PC		TRIDENT_SA1
Sound	SRS TruSurround HD, Dolby Digital		STA369BW
Cabinet	C430 Design		

■ Europe Specification

Model	PS42C43X	PS50C43X
Dimensions (WxHxD)	41.5 x 28.5 x 12.4 inches (without stand) 41.5 x 12.4 x 28.3 inches (with stand)	48.4 x 32.0 x 12.4 inches (without stand) 48.4 x 12.4 x 31.8 inches (with stand)
Weight	53.1 lbs (without stand) 61.2 lbs (with stand)	69.0 lbs (without stand) 77.1 lbs (with stand)
Voltage	AC 100~240V, 60Hz, 550W	
PC Resolution	1024 x 768	1365 x 768
Screen Size	42 inches (16:9)	50 inches (16:9)
ANTENNA Input	ANT - AIR/CABLE IN 75Ω unbalanced	
VIDEO Input	AV1 COMPONENT1 - 480i/480p/720p/1080i/1080p HDMI1- 480p/720p/1080i/1080p HDMI2 (DVI Compatible) - 480p/720p/1080i/1080p SCART	
AUDIO Input	AV1 COMPONENT1 - 480i/480p/720p/1080i/1080p SCART	
Audio Output	AUDIO (L/R)	
Speaker Output	10W + 10W, 82 dB (± 2 dB)	
New Features	Media Play, Anynet+	

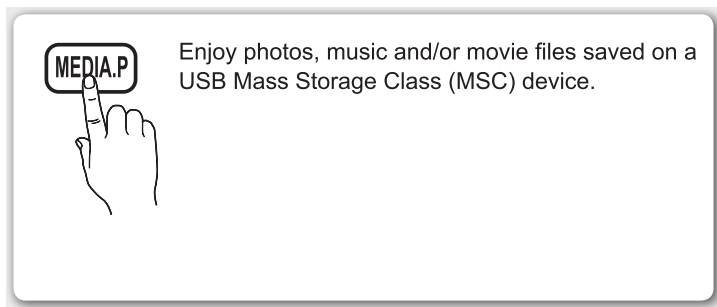
■ Australia Specification

Model	PS42C430A1D	PS502C430A1D
Dimensions (WxHxD)	41.5 x 28.5 x 12.4 inches (without stand) 41.5 x 12.4 x 28.3 inches (with stand)	48.4 x 32.0 x 12.4 inches (without stand) 48.4 x 12.4 x 31.8 inches (with stand)
Weight	53.1 lbs (without stand) 61.2 lbs (with stand)	69.0 lbs (without stand) 77.1 lbs (with stand)
Voltage	AC 100~240V, 60Hz, 550W	
PC Resolution	1024 x 768	1365 x 768
Screen Size	42 inches (16:9)	50 inches (16:9)
ANTENNA Input	ANT - AIR/CABLE IN 75Ω unbalanced	
VIDEO Input	AV1 COMPONENT1 - 480i/480p/720p/1080i/1080p HDMI1- 480p/720p/1080i/1080p HDMI2 (DVI Compatible) - 480p/720p/1080i/1080p COMPONENT2 - 480i/480p/720p/1080i/1080p	
AUDIO Input	AV1 COMPONENT1 - 480i/480p/720p/1080i/1080p COMPONENT2 - 480i/480p/720p/1080i/1080p	
Audio Output	AUDIO (L/R)	
Speaker Output	10W + 10W, 82 dB (± 2 dB)	
New Features	Media Play, Anynet+	

2-1-1 New Features explanation

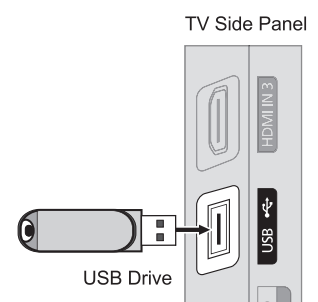
■ Media Play

This function enables you to view photo (JPEG) you take more easily, listen to audio files recorded in a USB, and see a movie or acting screen just by connecting USB device.



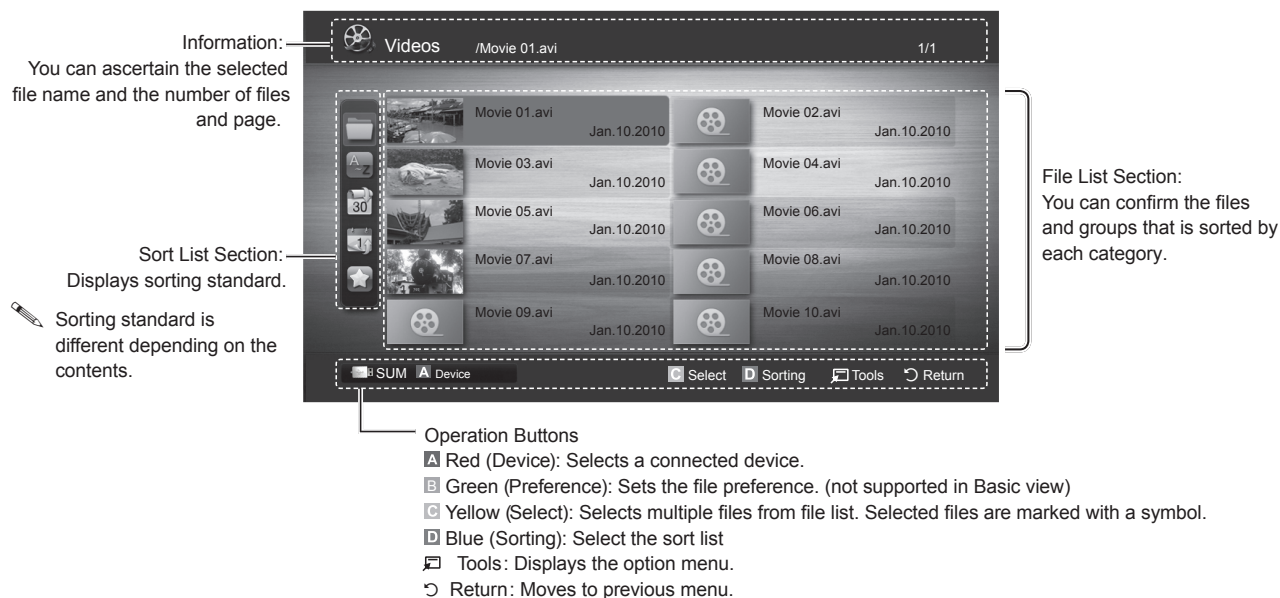
Connecting a USB Device

1. Turn on your TV.
2. Connect a USB device containing photo, music and/or movie files to the USB jack on the side of the TV.
3. When USB is connected to the TV, popup window appears. Then you can select Media Play.



Screen Display

Move to the file you desired using the up/down/right/left buttons and then press the ENTER button.
The file is played.



<< Videos >>

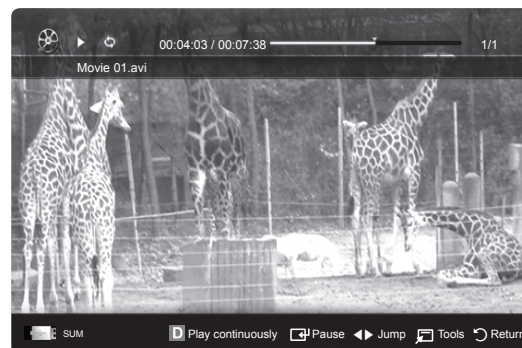
Playing a Video

- Press the ◀ or ▶ button to select Videos, then press the ENTER button in the Media Play menu.
- Press the ◀/▶/▲/▼ button to select the desired video in the file list.
- Press the ENTER button or Play button.
 - The selected file is displayed on the top with its playing time.
 - The playing duration of a movie file may be displayed as "00:00:00" if the playback time information is not found at the start of the file.

▣ In this mode, you can enjoy movie clips contained on a Game, but you cannot play the Game itself.

Supported Subtitle Formats

Name	File extension	Format
MPEG-4 time-based text	.txt	XML
SAMI	.smi	HTML
SubRip	.srt	string-based
SubViewer	.sub	string-based
Micro DVD	.sub or .txt	string-based



♦ Supported Subtitle Formats

Container	Video Decoder	Resolution	Audio codec
AVI ASF MKV MP4 3GPP VRO VOB PS TS RMVB FLV	Divx 3.11	1920x1080	MP3
	Divx 4.x		AC3
	Divx 5.1		LPCM
	Divx 6.0		ADPCM
	XviD		(MULAW, ALAW)
	H.264		AAC
	MPEG-4 SP		HE-AAC
	MPEG-4 ASP		WMA
	Window Media Video v9		DD+
	MPEG2		MPEG
	MPEG1		DTS HD
			AMR
			QCELP
			Real Audio
			(RealAudio6 Cook, RealAudio9,10 RealAudio Lossless)

Playing movie continuously (Resume Play)

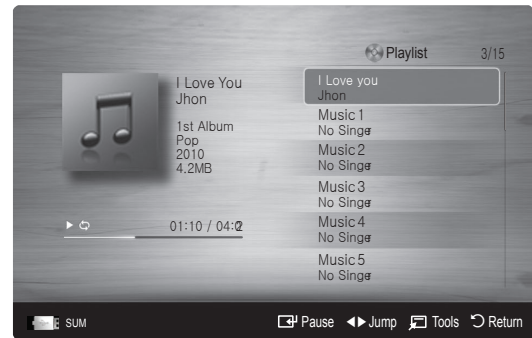
If you exit the playing movie function, the movie can be played later from the point where it was stopped.

1. Select the movie file you want to play continuously by pressing the ◀ or ▶ button to select it from the file list section.
 2. Press the Play/ENTER button.
 3. Select Play Continuously (Resume Play) by pressing the Blue button.
- ▣ The Movie will begin to play from where it was stopped.
 - ▣ If the Cont. movie Play Help function is set to On in the Settings menu, a pop-up message will appear when you resume play a movie file.

<< Music >>

Playing a Music

1. Press the ◀ or ▶ button to select Music, then press the ENTER button in the Media Play menu.
 2. Press the ◀/▶/▲/▼ button to select the desired Music in the file list.
 3. Press the ENTER button or Play button.
- ▣ Only displays files with the MP3 file extension. Other file extensions are not displayed, even if they are saved on the same USB device.
 - ▣ If the sound is strange when playing MP3 files, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)
 - The playback duration of a music file may be displayed as "00:00:00" if playback time information is not found at the start of the file.
 - ▣ REW and FF buttons do not function during play.



<< Photos >>

Viewing a Photo (or Slide Show)

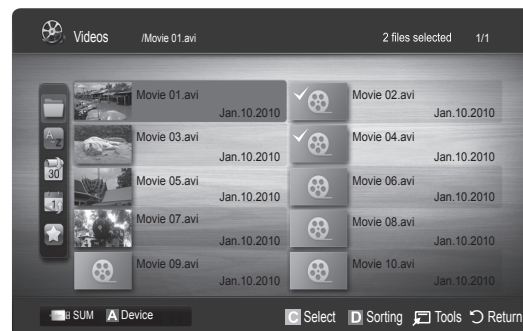
1. Press the ◀ or ▶ button to select Photos, then press the ENTER button in the Media Play menu.
 2. Press the ◀/▶/▲/▼ button to select the desired photo in the file list.
 3. Press the ENTER button or Play button.
 - While a photo list is displayed, press the (Play)/ENTER button on the remote control to start slide show.
 - All files in the file list section will be displayed in the slide show.
 - During the slide show, files are displayed in order from currently being shown.
- ▣ Music files can be automatically played during the Slide Show if the Background Music is set to On.



Playing the multiple files

Playing the selected video/music/photo files

1. Press the Yellow button in the file list to select the desired file.
2. Repeat the above operation to select multiple files.
 - The (✓) mark appears to the left of the selected files.
 - To cancel a selection, press the Yellow button again.
 - To deselect all selected files, press the TOOLS button and select Deselect All.
3. Press the Play/ENTER button.



Playing the video/music/photo file group

1. While a file list is displayed, move to the any file in desired group.
2. Press the TOOLS button and select Play Current Group.

Media Play Additional Function

Sorting the file list

Press the Blue button in the file list to sort the files.

Category	Operations	Videos	Music	Photos
Basic View	It shows whole folder. You can view the photo by selecting the folder.	✓	✓	✓
Title	It sorts and displays the file title in Symbol/Number/Alphabet/Special order.	✓	✓	✓
Preference	It sorts and displays the file by preference. You can change the file preference in the file list section using the Green button.	✓	✓	✓
Latest Date	It sorts and shows files by latest date.	✓		✓
Earliest Date	It sorts and shows files by earliest date.	✓		✓
Artist	It sorts the music file by artist in alphabetical.		✓	
Album	It sorts the music file by album in alphabetical order.		✓	
Genre	It sorts music files by the genre.		✓	
Mood	It sorts music files by the mood. You can change the music mood information.		✓	
Monthly	It sorts and shows photo files by month. It sorts only by month (from January to December) regardless of year.			✓

Videos/Music/Photos Play Option menu

Category	Operations	Videos	Music	Photos
Title	You can move the other file directly.	✓		
Repeat Mode	You can play movie or music files repeatedly.	✓	✓	
Picture Size (Mode1 / Mode2 / Original)	You can adjust the picture size for preference.	✓		
Picture Setting	You can adjust the picture setting.	✓		✓
Sound Setting	You can adjust the sound setting.	✓	✓	✓
Subtitle Setting	You can play the video with Subtitle. This function only works if the subtitles are the same file type as the video.	✓		
Stop Slide Show / Start Slide Show	You can start or stop a Slide Show.			✓
Slide Show Speed	You can select the slide show speed during the slide show.			✓
Background Music	You can set and select background music when watching a Slide Show.			✓
Zoom	You can zoom into images in full screen mode.			✓
Rotate	You can rotate images in full screen mode.			✓
Information	You can see detailed information about the played file.	✓	✓	✓

<< Settings >>

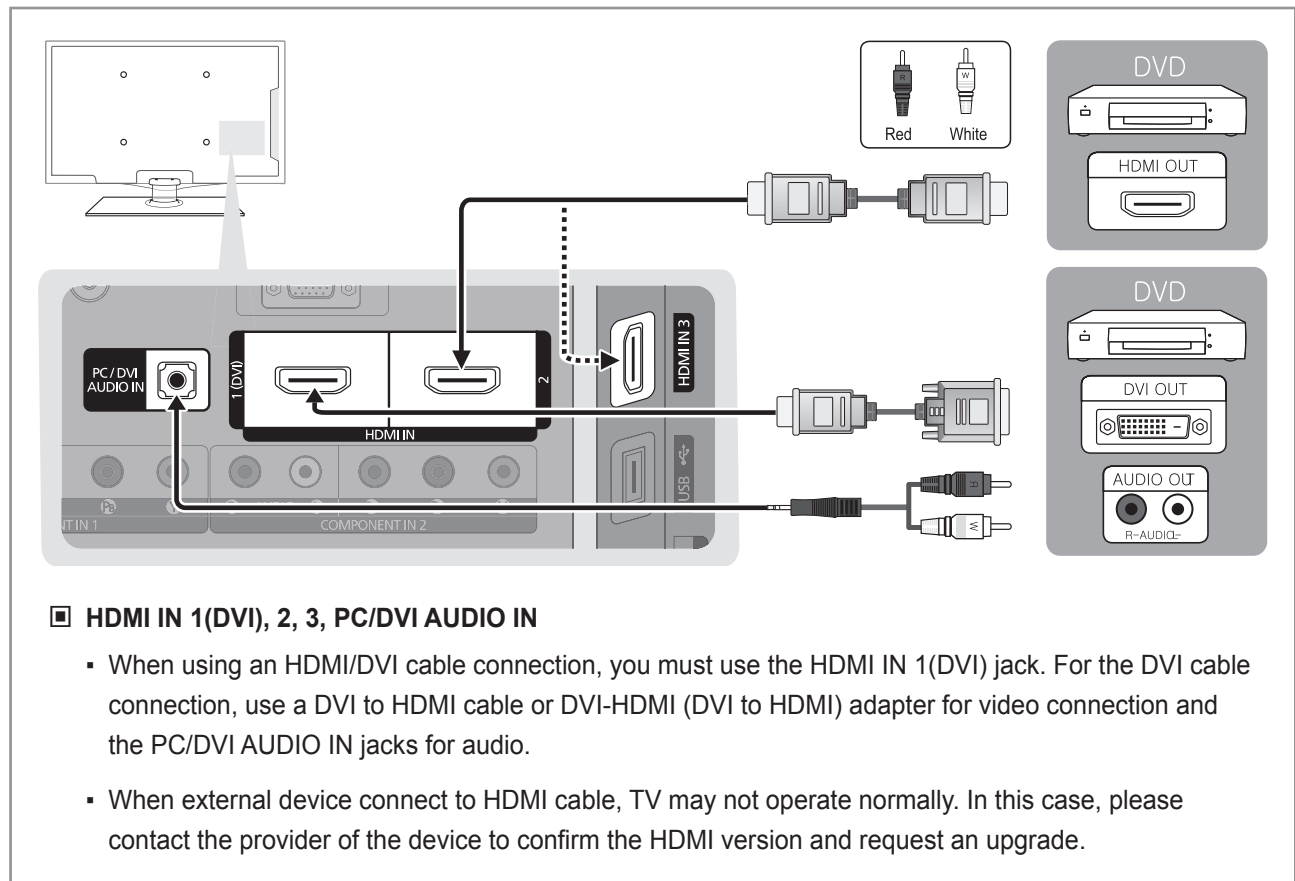
Using the Setup Menu

- Cont. movie Play (Resume Play) Help (On / Off): Select to display the help pop-up message for continuous movie playback.
- Get the DivX® VOD registration code: Shows the registration code authorized for the TV. If you connect to the DivX web site and register the registration code with a personal account, you can download VOD registration file. If you play the VOD registration using Media Play, the registration is completed.
- For more information on DivX® VOD, visit "www.DivX.com."
- Get the DivX® VOD deactivation code: When DivX® VOD is not registered, the registration deactivation code is displayed. If you execute this function when DivX® VOD is registered, the current DivX® VOD registration is deactivated.
- Information: Select to view information about the connected device.

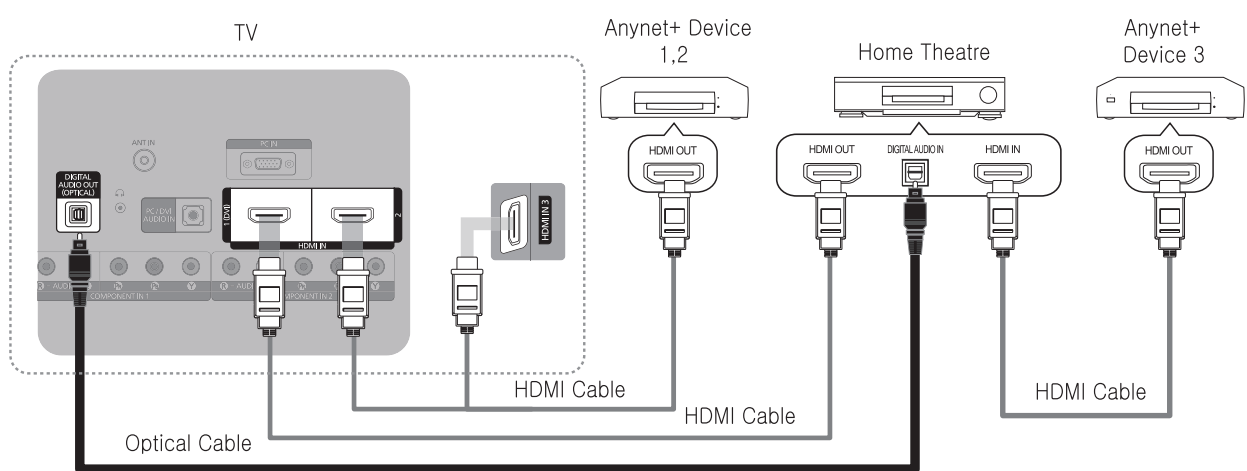
■ Anynet+

Anynet+ is an AV network system that enables you to control all connected Samsung AV devices with your Samsung TV's remote.

To connect to a TV



To connect to Home Theatre



1. Connect the HDMI IN (1(DVI), 2 or 3) jack on the TV and the HDMI OUT jack of the corresponding AnyNet+ device using an HDMI cable.
2. Connect the HDMI IN jack of the home theatre and the HDMI OUT jack of the corresponding AnyNet+ device using an HDMI cable.

NOTE

- Connect the Optical cable between the DIGITAL AUDIO OUT (OPTICAL) jack on your TV and the Digital Audio Input on the Home Theatre.
- When following the connection above, the Optical jack only outputs 2 channel audio. You will only hear sound from the Home Theatre's Front, Left and Right speakers and the subwoofer. If you want to hear 5.1 channel audio, connect the DIGITAL AUDIO OUT (OPTICAL) jack on the DVD / satellite box (i.e. AnyNet Device 1 or 2) directly to the Amplifier or Home Theatre, not the TV.
- Connect only one Home Theatre.
- You can connect an AnyNet+ device using the HDMI cable. Some HDMI cables may not support AnyNet+ functions.
- AnyNet+ works when the AV device supporting AnyNet+ is in the standby or on status.
- AnyNet+ supports up to 12 AV devices in total. Note that you can connect up to 3 devices of the same type.

2-2 Specifications Analysis

■ Europe Specifications Analysis

Model		PS42C43X	PS50C43X	PS50B450
Design				
Basic	Display Type	PDP TV	PDP TV	PDP TV
	Built-In Tuner	O	O	O
	Resolution	1024 x 768	1365 x 768	1365 x 768
	PDP Module	U2P	U2P	U1P
	Screen Size	42 inches	50 inches	50 inches
	Picture ratio	16 : 9	16 : 9	16 : 9
Picture	Brightness	1,500Cd/m2	1,500Cd/m2	1,500Cd/m2
	Contrast Ratio	10000:1	10000:1	10000:1
	Picture Enhacer	DNle	DNle	O
Audio	Equalizer	5 Band	5 Band	5 Band
	Auto Volume Control	O	O	O
	Surround Sound	SRS TruSurround HD	SRS TruSurround HD	SRS TruSurround XT
	Speaker Output	10W + 10W	10W + 10W	10W + 10W
Features	PIP	O	O	O
	Double Screen	O	O	O
	Caption	O	O	O
	Still Image	O	O	O
	EPG	O	O	O
	My Color Control	O	O	O
	Energy Saving	O	O	O
	Screen Burn Protection	O	O	O
	Anynet	O	O	O

※ O: Feature Included, X: Not Included

Model		PS42C43X	PS50C43X	PS50B450
Design				
Connections	Antenna	1 (Cable/Air)	1 (Cable/Air)	1 (Cable/Air)
	AV Input	1 Input	1 Input	1 Input
	S-Video	O	O	-
	Component (Y/PB/PR)	1 Input	1 Input	1 Input
	PC (D-SUB)	X	X	X
	DVI	X	X	X
	HDMI	2 Input	2 Input	2 Input
	Sub Woofer	X	X	X
	Optical	1	1	1
	etc.	USB 1 Input	USB 1 Input	USB 1 Input
ETC	Speaker/Stand	Built-in Speaker	Built-in Speaker	Built-in Speaker

※ ○: Feature Included, X: Not Included

※ For the power supply and power consumption, refer to the label attached to the product.

■ Australia Specifications Analysis

Model		PS42C430A1D	PS50C430A1D	PS50B450
Design				
Basic	Display Type	PDP TV	PDP TV	PDP TV
	Built-In Tuner	O	O	O
	Resolution	1024 x 768	1365 x 768	1365 x 768
	PDP Module	U2P	U2P	U1P
	Screen Size	42 inches	50 inches	50 inches
	Picture ratio	16 : 9	16 : 9	16 : 9
Picture	Brightness	1,500Cd/m2	1,500Cd/m2	1,500Cd/m2
	Contrast Ratio	10000:1	10000:1	10000:1
	Picture Enhacer	DNle	DNle	O
Audio	Equalizer	5 Band	5 Band	5 Band
	Auto Volume Control	O	O	O
	Surround Sound	SRS TruSurround HD	SRS TruSurround HD	SRS TruSurround XT
	Speaker Output	10W + 10W	10W + 10W	10W + 10W
Features	PIP	O	O	O
	Double Screen	O	O	O
	Caption	O	O	O
	Still Image	O	O	O
	EPG	O	O	O
	My Color Control	O	O	O
	Energy Saving	O	O	O
	Screen Burn Protection	O	O	O
	Anynet	O	O	O

※ O: Feature Included, X: Not Included

Model		PS42C430A1D	PS50C430A1D	PS50B450
Design				
Connections	Antenna	1 (Cable/Air)	1 (Cable/Air)	1 (Cable/Air)
	AV Input	1 Input	1 Input	1 Input
	S-Video	O	O	-
	Component (Y/PB/PR)	2 Input	2 Input	1 Input
	PC (D-SUB)	X	X	X
	DVI	X	X	X
	HDMI	2 Input	2 Input	2 Input
	Sub Woofer	X	X	X
	Optical	1	1	1
	etc.	USB 1 Input	USB 1 Input	USB 1 Input
ETC	Speaker/Stand	Built-in Speaker	Built-in Speaker	Built-in Speaker

※ ○: Feature Included, X: Not Included

※ For the power supply and power consumption, refer to the label attached to the product.

2-3 Detail Factory Option

- If you replace the main board with new one, please change the factory option as well. The options you must change are “Type”, “Local set” and “Front Color”, “A factory setup data might be different depending on model's feature such as inch, and the region they're going to be sold.”.

■ Europe Detail Factory Option

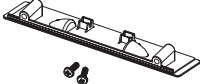
Item	Data
Factory Reset	
Type	42HHcD4 / 50HHcD4
Local Set	EU
Model	PC430
Tuner	DRXSEMCO
DDR	0
Light Effect	Off
Ch Table	SEH
Country	
Front Color	S-C-Gray

■ Australia Detail Factory Option

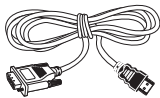
Item	Data
Factory Reset	
Type	42HHcD4 / 50HHcD4
Local Set	AD_AU
Model	PC430
Tuner	DRXALPS
DDR	0
Light Effect	Off
Ch Table	SDMA
Country	
Front Color	S-C-Gray

2-4 Accessories

2-4-1 Supplied Accessories

Accessories	Item	Item code	Remark
	Remote Control Batteries	BN59-01012A 4301-000103	Samsung Service Center
	Power Cord	3903-000456	
	Owner's Instructions	BN68-02692A	
	Cloth-Clean	BN63-01798B	
	Ferrite Core for Power Cord	3301-002049	
	Cover-Bottom Screws (2ea)	BN63-06456A 6003-001621	

2-4-2 Sold Separately

Accessories	Item	Item code	Remark
	HDMI Cable	-	Samsung Service Center
	HDMI/DVI cable	-	
	Component Cables (RCA)	-	
	PC Cable	-	
	PC Audio Cable	-	
	Antenna Cable	-	